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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/722,426	11/28/2003	Gon Kim	0465-1096P	7365
2292 7590 04/10/2007 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			EXAMINER PATEL, RITA RAMESH	
			ART UNIT 1746	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			NOTIFICATION DATE	
3 MONTHS			04/10/2007	
			DELIVERY MODE	
			ELECTRONIC	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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mailroom@bskb.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/722,426	<b>Applicant(s)</b> KIM ET AL.	
	<b>Examiner</b> Rita R. Patel	<b>Art Unit</b> 1746	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 16 January 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-5, 7-10, 12-15 and 17-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-10, 12-15, and 17-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Applicant's Arguments / Amendments***

This Office Action is responsive to the amendment filed on 1/16/07. Claims 1-5, 7-10, 12-15, and 17-21 are pending. Claims 6, 11, and 16 have been cancelled. Claims 20-21 have been added. Claims 1, 7-10, 12-15, and 17-19 have been amended. Applicant's arguments have been considered, but are not persuasive. Thus, claims 1-5, 7-10, 12-15, and 17-21 are finally rejected for the reasons of record.

Former provisional obviousness-type double patenting rejections over applications 10/722,150, 10/722,443, and 10/722,455 are hereby withdrawn due to Applicant's amendments to the claims filed 1/16/07.

Applicant's remarks are directed towards the newly amended claims, these claims will be addressed in their entirety herein.

### ***Claim Objections***

Claims 1 and 10 objected to because of the following informality: it appears there is a typographical error in these claims. Specifically, the phrase "the ring protrusion having a front end and a rear end closer to the drum than the front end" does not follow coherently (claim 1, lines 9-10 and claim 10, line 16). It appears from the Examiner's review of the Applicant's remarks filed, that Applicant may have meant to recite "the ring protrusion having a front end and a rear end, with a rear end closer to the drum than the front end". Appropriate correction is requested.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5, 7-10, 12-15, and 17-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Kronbetter et al. herein referred to as “Kronbetter” (US Patent No. 6,256,823).

Kronbetter teaches a washing machine 10 with housing 12 having an opening 19 in the front of panel 13. Also, there is a bellows 44 in the front panel 13, therein lying stationary drum 25 and rotating drum 30; bellows 44 reads on Applicant's claim for a leakage preventing part. The motor 34 drives rotating drum 30 via a suitable connection, for example a belt 35 and pulley 36 (col. 4, lines 6-7).

Opening 19 reads on Applicant's claim for a first opening; the opening of stationary drum 25 reads on Applicant's claim for a second opening; and the opening of rotating drum 30 reads on Applicant's claim for a third opening.

The diameter of the bellow formed between channel 48-rib 73 reads on a front protrusion; the diameter of the bellow formed between upper annular rib 64-lower annular rib 64 reads on a rear end protrusion. The protrusions of Kronbetter extend to a front end of the third opening from an inside/front portion of the bellows 44. The diameter of the second opening (stationary drum 25) is greater than the diameter of the third opening (drum 30). An inner side diameter of the front end formed between the

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first valley from the left-hand side on the upper gasket -the first plateau from the left-hand side on the bottom gasket, is equal to an outside diameter of the third opening formed between upper annular rib 64-lower annular rib 64. The inner diameter of the front end of the protrusion between channel 48-rib 73, is greater than the outside diameter of the third opening formed on the outer diameter between upper annular rib 64-lower annular rib 64. The inner side diameter of the rear end of a protrusion formed between upper annular rib 64-lower annular rib 64 is smaller than the inside diameter of the third opening.

The inside diameter of the second opening formed between annular rib 65-lower annular rib 65, is greater than that of the third opening formed between annular rib 64-lower annular rib 64. The second opening of Kronbetter is formed ahead of the third opening.

The front and rear ends of the bellow 44 are substantially normal to a center axis of the drum.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure. Kim et al. (US 2004/0025544) teaches a horizontal washing machine with a gasket 30 for preventing water and laundry received in the drum 20 and tub 10 from being leaked outside the tub 10 (Paragraph [0045]). As seen in Figure 2 of Kim et al. the gasket creates a sealing path from the door along a straight away then forms a "Z"-shape and follows along a second horizontal straightaway where it connects with the edge of the drum 20, and finally forms a vertical part which connects with the tub 10. Said vertical part is analogous to a ring type protrusion.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rita R. Patel whose telephone number is (571) 272-8701. The examiner can normally be reached on M-F: 8-5.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr can be reached on (571) 272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



rrp



**MICHAEL BARR**  
**SUPERVISORY PATENT EXAMINER**